

This is **G o o g l e**'s cache of <http://www.dowcorning.thomasregister.com/olc/dowcorning/aero.htm>.
G o o g l e's cache is the snapshot that we took of the page as we crawled the web.
 The page may have changed since that time. Click here for the current page without highlighting.

Google is not affiliated with the authors of this page nor responsible for its content.

These search terms have been highlighted: **q3 6093**

Dow Corning Products for the Aerospace Industry

DOW CORNING

www.dowcorning.com/aviation

| Product | Features | Typical Applications |
|---|---|---|
| <i>Sylgard</i> [®] 186 Encapsulating Resin | Translucent; reversion resistant; -55 to 200°C (-68 to 410°F); special feature - good tear strength | Connector potting; cable harness breakouts; molded HV terminals; optical fiber cladding |
| <i>Dow Corning</i> [®] 340 Heat Sink Compound | Greaselike; filled with heat-conductive metal oxides; high thermal conductivity; low bleed; does not dry out, harden or melt; MIL-C-47113 | Base and co-mounting studs of transistors and diodes; coupling entire heat-generating assembly to chassis; rectifiers; packaged controls |
| <i>Dow Corning</i> [®] 510 Fluid | Low-temperature performance; excellent dielectric properties over a wide range of frequencies and temperatures; wide service temperature range from -51 to 204°C (-60 to 400°F); water repellent | Lubrication of rubber, leather diaphragms, plastic bearings used at low temperatures; fluid drives; base oil for greases; damping fluid for instruments |
| <i>Dow Corning</i> [®] 730 Solvent Resistant Sealant | Excellent adhesion to most substrates; retains properties under exposure to fuels, oils and solvents | Bonding, sealing, caulking where resistance to fuels, oils and solvents is required |
| <i>Dow Corning</i> [®] 732 Multi-Purpose Sealant | Aluminum, bronze, black, white or clear; applied as received, requires no mixing; -55 to 200°C (-68 to 392°F); acetic acid cure; meets MIL-A-46016A requirements and certain FDA, NSF and UL standards - see data sheet | Connectors; dustproofing; thermistor mounting; repairing encapsulants; insulating and sealing leads, splices, connections; bonding equipment covers |
| <i>Dow Corning</i> [®] 734 Flowable Sealant | White or clear; pourable; self-leveling; applied as received, requires no mixing; acetic acid cure; meets certain FDA and NSF standards - see data sheet | Coating for mechanical protection; making formed-in-place gaskets |

This is **G o o g l e**'s cache of <http://www.dowcorning.thomasregister.com/olc/dowcorning/aero.htm>.
G o o g l e's cache is the snapshot that we took of the page as we crawled the web.
 The page may have changed since that time. Click here for the [current page](#) without highlighting.

Google is not affiliated with the authors of this page nor responsible for its content.

These search terms have been highlighted: **q3 6093**

Dow Corning Products for the Aerospace Industry

DOW CORNING

www.dowcorning.com/aviation

| Product | Features | Typical Applications |
|--|--|---|
| <i>Sylgard</i> ® 186 Encapsulating Resin | Translucent; reversion resistant; -55 to 200°C (-68 to 410°F); special feature - good tear strength | Connector potting; cable harness breakouts; molded HV terminals; optical fiber cladding |
| <i>Dow Corning</i> ® 340 Heat Sink Compound | Greaselike; filled with heat-conductive metal oxides; high thermal conductivity; low bleed; does not dry out, harden or melt; MIL-C-47113 | Base and co-mounting studs of transistors and diodes; coupling entire heat-generating assembly to chassis; rectifiers; packaged controls |
| <i>Dow Corning</i> ® 510 Fluid | Low-temperature performance; excellent dielectric properties over a wide range of frequencies and temperatures; wide service temperature range from -51 to 204°C (-60 to 400°F); water repellent | Lubrication of rubber, leather diaphragms, plastic bearings used at low temperatures; fluid drives; base oil for greases; damping fluid for instruments |
| <i>Dow Corning</i> ® 730 Solvent Resistant Sealant | Excellent adhesion to most substrates; retains properties under exposure to fuels, oils and solvents | Bonding, sealing, caulking where resistance to fuels, oils and solvents is required |
| <i>Dow Corning</i> ® 732 Multi-Purpose Sealant | Aluminum, bronze, black, white or clear; applied as received, requires no mixing; -55 to 200°C (-68 to 392°F); acetic acid cure; meets MIL-A- 46016A requirements and certain FDA, NSF and UL standards - see data sheet | Connectors; dustproofing; thermistor mounting; repairing encapsulants; insulating and sealing leads, splices, connections; bonding equipment covers |
| <i>Dow Corning</i> ® 734 Flowable Sealant | White or clear; pourable; self-leveling; applied as received, requires no mixing; acetic acid cure; meets certain FDA and NSF standards - see data sheet | Coating for mechanical protection; making formed-in-place gaskets |

| | | |
|--|---|---|
| <i>Dow Corning</i> [®] 736 Heat Resistant Sealant | Performs at temperatures ranging from -65 to 260°C (-85 to 500°F) for continuous operation and to 316°C (600°F) for intermittent exposure | Sealing and encapsulating heating elements in appliances; aerospace gasketing; moving oven belts, industrial ovens, bag filters on smoke stacks and most high-temperature sealing applications |
| <i>Dow Corning</i> [®] 737 Neutral Cure Sealant | Primerless adhesion to most materials; rapid cure; noncorrosive to most materials | Bonding and sealing in OEM and assembly operations; making formed-in- place gaskets; bonding, sealing, encapsulating electronic products |
| <i>Dow Corning</i> [®] 738 Electrical Sealant | White, one-part material; noncorrosive cure mechanism; good tear strength; wide service temperature range; good dielectric properties; resistant to harsh environments; meets MIL-A-46146A, Type I requirements and certain FDA and UL standards - see data sheet | Corrosion-sensitive components; sealing around wires and electrical connections, control boxes, conduit ends, printed circuit boards, motors, generators, terminals, leads and splices |
| <i>Dow Corning</i> [®] 739 Plastic Adhesive | Black or white, one-part, neutral-cure RTV; excellent unprimed adhesion to most metals and many plastics; withstands exposure to harsh environments and temperatures to 177°C (350°F); no acetic acid odor | Sealing and bonding large and small appliances; refrigerator and freezer liner sealing; sealing small appliance housings; protecting small motor lead wires; mounting electric light lenses; sealing and mounting connectors |
| <i>Dow Corning</i> [®] 3110 RTV Silicone Rubber | White; low viscosity; choice of two catalysts to match cure time to process needs | All electronic and electrical potting, encapsulating, embedding, coating; equipment exposed to extreme contamination; thick-section potting; damping vibration in appliances, machinery; filling splices, insulators, bushings; insulating motor leads, cable junctions; making potheads; |
| <i>Dow Corning</i> [®] 3112 RTV Silicone Rubber | White; medium viscosity; cures to high-durometer, high-strength rubber | <i>Dow Corning</i> [®] 3110 RTV Silicone Rubber: reproducing candles, art objects, simple shapes, highest detail; |
| <i>Dow Corning</i> [®] 3120 RTV Silicone Rubber | Red; medium viscosity; cures to high-durometer, high-strength rubber | <i>Dow Corning</i> [®] 3112 RTV Silicone Rubber: vinyl embossing; <i>Dow Corning</i> [®] 3120 RTV Silicone Rubber: molding low- melting-point metals |
| <i>Dow Corning</i> [®] 3140 RTV Coating | Clear; noncorrosive cure; self-leveling; solventless RTV coating; MIL-I- 46058C; MIL-A-46146A, Type II | Protecting corrosion-sensitive components, printed circuit boards; encapsulating small circuits and connectors |
| <i>Dow Corning</i> [®] 3145 RTV Adhesive Sealant | Clear, one-part material; high strength; noncorrosive; -55 to 200°C (-68 to 392°F); MIL-A-46146BII, Type III Gray, same functions as above | Adhering corrosion-sensitive components, resistors, transistors; noncorrosive sealing and bonding of enclosures, wires, terminals, splicing |

This is **G o o g l e**'s **cache** of <http://www.dowcorning.thomasregister.com/olc/dowcorning/elctmic.htm>.
G o o g l e's cache is the snapshot that we took of the page as we crawled the web.
 The page may have changed since that time. Click here for the current page without highlighting.

Google is not affiliated with the authors of this page nor responsible for its content.

These search terms have been highlighted: **q3 6093**

Dow Corning Products for the Electronic Products Industry

DOW CORNING

www.dowcorning.com/electronics

Adhering, Bonding, Sealing Materials

| Product | Features | Typical Applications |
|--|---|--|
| Sylgard® 577 Primerless Silicone Adhesive | Gray, flowable; excellent unprimed adhesion; heat cure; flexible and stable from -55 to 200°C (-68 to 392°F); provides stability and relief from mechanical shock and thermal cycling stress; MIL-PRF-23586F (Grade B2) | Adhering hybrid integrated circuits, ceramic ICs to aluminum base plates, glass structural components together or to metal frames, components in power equipment, permanent magnets to frame structures, multiple-gasket components, ribbon-type conductor/insulator components, metal structural components |
| Dow Corning® 838 Silicone Adhesive/ Sealant | Excellent extended shelf life; white; one-part; neutral, rapid cure; RTV; unprimed adhesion to most materials; nonslump; UL 94 HB | Sealing around wires and electrical connections, control boxes; ruggedizing controls, relays, switches, printed circuit boards, motors, generators, terminals, leads and splices |
| Dow Corning® 839 Silicone Adhesive/ Sealant | Excellent extended shelf life; translucent blue; one-part; neutral, rapid cure; RTV; unprimed adhesion to most materials; nonslump | Sealing around wires and electrical connections, control boxes; ruggedizing controls, relays, switches, printed circuit boards, motors, generators, terminals, leads and splices |
| Dow Corning® 3140 RTV Coating | Clear; noncorrosive cure; self-leveling; solventless RTV coating; MIL-I- 46058C, Amend. 7; MIL-A-46146B | Protecting corrosion-sensitive components, printed circuit boards; encapsulating small circuits and connectors |

| | | |
|--|---|---|
| <p>Dow Corning® 3145 RTV Adhesive/ Sealant</p> | <p>Clear, one-part material; high strength; noncorrosive; -55 to 200°C (-68 to 392°F); MIL-A-46146B, Amend. 3</p> <p>Gray, same functions as above plus excellent thermal stability -55 to 260°C (-68 to 500°F); MIL-A-46146 Rev. B, Amend. 3</p> | <p>Adhering corrosion-sensitive components, resistors, transistors; noncorrosive sealing and bonding of enclosures, wires, terminals, splicing where high strength, good stress relieving and/or MIL specifications are required; aircraft, shipboard, missile, jet engine, armored vehicle uses</p> |
| <p>Dow Corning® 3165 Fast Tack RTV Adhesive/ Sealant</p> | <p>Very fast tack; one-part RTV; flexible elastomer; no corrosive byproducts; high green strength; UL 94 V-O Flammability Classification pending</p> | <p>Sealing and bonding in electrical/electronic applications where fast assembly is required</p> |
| <p>Dow Corning® 1-4173 and 1-4174 Thermally Conduc- tive Elastomers</p> | <p>One-part silicone elastomers; supplied as thixotropic solventless liquid; excellent thermal conductivity; self-priming adhesive; electrically insulating; heat curable</p> | <p>Adhering, potting and encapsulating</p> |
| <p>Dow Corning® Q3-6093 Silicone Adhesive/Sealant</p> | <p>Primerless; nonslump; black; excellent adhesion to wide range of substrates; two-part system with fast, variable cure rate based on curing agent concentration, deep-section cure</p> | <p>General adhering and bonding where excellent unprimed adhesion and deep-section cure are desired; printed circuit board, component assembly adhesive</p> |
| <p>Dow Corning® 3-6265 Primerless Thixotropic Adhesive</p> | <p>Primerless; nonslump; one-part; heat curable; improved adhesion; excellent dielectric properties; provides stability and relief from mechanical shock and thermal cycling stress tests; maintains elastomeric flexibility and provides functional stability from -55 to 200°C (-67 to 392°F); UV detectability</p> | <p>Adhesive bond for a wide range of metal, ceramic and glass substrates</p> |
| <p>Sylgard® 3-6605 Thermally Conductive Elastomer</p> | <p>Gray; two-part; high viscosity; unprimed adhesion; heat curable; thermally stable at high temperatures; operating range of -55 to 200°C (-67 to 392°F); long pot life; excellent thermal conductivity</p> | <p>Thermally conductive potting material for transformers, power supplies, general-purpose modules, coils, relays and other electronic devices requiring improved thermal dissipation; adhering or bonding hybrid substrates to base plates; excellent replacement for thermal grease used in power devices, transformers, general-purpose modules, coils, relays and other thermal coupling applications; ideal when flexible, thermally conductive adhesive is required</p> |